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Model #: PDUMH30HVNET

Switched, Metered PDU with Remote Monitoring - 2U Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control

Highlights

- 2U rackmount switched PDU with digital current monitoring, remote control and temperature / humidity montitoring capability
- 208/240V 30A maximum total capacity with L6-30P input plug and 16 C13 controllable outlets
- Enables ability to turn on, turn off, recycle or lock-out power to each individual outlet
- Programmable or real-time outlet power control via built-in web/network monitoring and control card
- Automatic sequential outlet turn-on prevents inrush-related equipment interaction on startup
- Cord retention brackets keep vital equipment plugs connected

Description

Tripp Lite Switched, Metered Rack Power Distribution Units enable a variety of advanced network control and monitoring functions by giving IT Managers the ability to turn on, turn off, recycle or lock-out power to each individual receptacle and remotely monitor PDU power consumption and in-rack environmental conditions. Switched PDU systems can be accessed, configured and controlled through secure web, SNMP or Telnet Interface. Individually switched outlets can be controlled via a built-in web/network interface, enabling remote reboot of unresponsive network hardware. User defined power-up and power-down outlet sequences ensure proper operation of interdependent IT systems and prevent inrush-related overloads as devices are powered on. Programmable load-shedding of less critical devices at user-defined intervals extends UPS uptime in response to power failures. Unused PDU outlets can be electronically locked-off to prevent powering of unauthorized hardware. PDU power consumption (current) is displayed locally and can be monitored via the web/network interface, with user-defined alarms to warn of potential overloads before critical IT mains or branch breakers trip. Optional ENVIROSENSE temperature/humidity probe enables remote monitoring of in-rack environmental conditions and alarms for up to 3 user supplied contact-closure sensors. Supports real-time monitoring, notification and logging of all on-board reporting functions with user-specified alarm thresholds and actions for each reported condition. Switched PDU systems can be accessed, configured and controlled through secure web, SNMP or Telnet Interface.

PDUMH30HVNET Switched, Metered, 2U rack PDU supports 30A maximum capacity at 208/240V (agency de-rated to 24 amps). Includes attached L6-30P input plug and 16 C13 switched outlets arranged in two separately breakered 8 outlet banks. Visual and remote current monitoring tracks the current for each 8 outlet bank separately, plus offers total power consumption for all 16 outlets combined. Supports 2U rackmount installation in 19 inch 4 post rack enclosures. 2POSTRMKITWM enables installation in 2 post relay racks. Included cord retention brackets keep vital network equipment plugged in and continuously powered.

Applications

- Ideal for network configurations requiring a switched, metered and monitored PDU supporting individual outlet rebooting, load shedding and remote web/network current monitoring of critical networking components

Package Includes

- Rackmount PDU
- 4 post compatible mounting brackets

Features

- 208/240V 30A maximum capacity (agency de-rated to 24 amps) Switched, Metered and Monitored Power Distribution Unit (PDU) with built-in web/network interface in 2U rackmount form factor
- L6-30P input plug and 16 C13 controllable outlets
- Supports individually controllable output receptacles, current metering, network monitoring and remote control via built-in web/network monitoring and control card
- Offers the ability to turn on, turn off, recycle or lock-out power to each individual PDU receptacle on a programmable or real-time basis
- Switchable outlets enable a number of advanced networking abilities, such as remote reboot on-demand of locked IT equipment, custom power-on/power-off outlet sequencing, automatic load-shedding of optional loads during power failures and disabling unused outlets to prevent the connection of unauthorized equipment loads
- Remote interface provides data regarding input power conditions, load level and individual outlet power status via secure network or web browser interface
- Supports notification and logging of all major power events and user specified alarm thresholds
- Optional ENVIROSENSE temperature and humidity probe enables remote monitoring of environmental conditions and the ability to report conditions from up to two contact-closure sensors
- Optional ENVIROSENSE accessory also supports the connection of up to three user supplied contact-closure sensors to selectively notify, monitor and log reported conditions, such as rack door access
- DHCP/Manual configuration support provides the ability to have network settings automatically assigned to the card, or manually assigned via permanent IP addresses
- 10/100 Mbps auto-sensing allows optimal communication compatibility with your current 10/100 Base-T network
- Real-time clock support maintains the time of day and date even if the PDU is shut down and unpowered
- 2-tier level access allows an administrator and a guest to log into the web browser for monitoring and/or management of all intelligent PDUs and similarly equipped UPS systems
- Alert notifications via email or SNMP traps give users the added advantage of having an immediate event notification
- Protocols supported include HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, Telnet, FTP, DHCP, BOOTP, NTP
- Front panel ammeter with push-button toggle switch displays power consumption for all 3 loading segments (8 outlets in bank 1, 8 outlets in bank 2 and total load of bank 1&2 combined)
- On initial power-up, outlets are automatically energized at 250 millisecond intervals to prevent inrush-related equipment interaction and mains circuit overloads
- Included cord retention brackets keep vital network equipment plugged in and continuously powered
- 2U rackmount installation supported in 4 post rack enclosures
- Optional 2POSTRMKITWM enables installation in 2 post relay racks

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	208/240V
Frequency compatibility	50/60 Hz
OUTPUT	
Output nominal voltage	208/240V
Outlet quantity / type	16 C13 outlets
Customized load management receptacles	Each outlet is individually controllable via remote interface
Overload protection	Outlets are arranged in two banks of 8. Each bank is protected by a separate 15A thermal circuit breaker
INPUT	
Maximum input amps	30A maximum (Agency de-rated to 24A continuous)
Input connection type	L6-30P
Input cord length	10 ft / 3m
Recommended Electrical Service	208V, 240V

LEDS ALARMS & SWITCHES	
Front panel LEDs	16 power availability LEDs confirm power off/on status for each built-in outlet. Two additional LEDs with toggle button identify which bank the visual current meter is reporting (bank 1, bank 2 or bank 1&2 combined)
Switches	n/a
PHYSICAL	
Shipping weight (lbs)	17.1
Shipping weight (kg)	7.8
Shipping Dimensions (HWD/in)	8 x 20.5 x 17
Shipping Dimensions (HWD/cm)	20.3 x 113 x 80.6
Unit weight (lbs)	13.8
Unit weight (kg)	6.3
Unit Dimensions (HWD/in)	3.5 x 17.5 x 12.5
Unit Dimensions (HWD/cm)	8.9 x 44.5 x 31.75
Material of construction	Steel
Form factors supported	2U rackmount. Includes mounting accessories for 4 post installation, requires optional 2POSTRMKITWM for 2 post rackmount installation)
Style	Rackmount
ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
COMMUNICATIONS	
SNMP compatibility	Yes, pre-installed SNMPWEBCARD provides remote monitoring via web, telnet, and SNMP management systems. Remote management gives user ability to turn connected loads on or off individually
CERTIFICATIONS	
Certifications	Tested to UL 60950-1 (USA, Canada), Class A (Emissions), NOM (Mexico), RoHS compliant
WARRANTY	
Product Warranty Period	2 years

Related Items

Extended Warranties		
WEXT3-PDU-HVNET	3-Year Extended Warranty - For Switched PDUs ending with HVNET	Qty: [optional]
WEXT5-PDU-HVNET	5-Year Extended Warranty - For Switched PDUs ending with HVNET	Qty: [optional]

Power Cables		
P004-006	Notes	Qty: [optional]
P032-007	Notes	Qty: [optional]
P005-010	Notes	Qty: [optional]
P036-002	Notes	Qty: [optional]
P036-006	Notes	Qty: [optional]
P047-010	Notes	Qty: [optional]
P004-002-5	5-Pack IEC-320-C14 to IEC-320-C13 Cables - 2 ft.	Qty: [optional]

Rack Accessories

SRCABLERING2U	2U Horizontal Cable Manager (Flexible ring type.)	Qty: [optional]
SRCABLERING1U	1U Horizontal Cable Manager (Flexible ring type.)	Qty: [optional]
SRCABLEDUCT1U	1U Horizontal Cable Manager (Finger duct with cover.)	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.)	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3749.

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